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WOR-0229/A

Cy 3 of 4

25X1A

informed 18 Dec 58 21 November 1958
requirements for this dropped & he should
do no further work on it. L. H. agrees this was good decision

Dear Ed:

Furnished herewith are answers to the questions contained in your letter of 17 November 1958, regarding the 20" Photo Printing System.

General

The system is intended for darkroom (safelighted) operation with the possible exception of the dryer and chopper, which could be in a white lighted area by passing the processed material through the wall via a light trap.

Printer

1. We propose to use a variety of papers in the system; including, single weight, double weight, glossy, semi-matte, and water resistant. However, regular speed would be preferable.
2. Use of Refractisil is not required.
3. Enlargement factor from 2.90 to 3.10 is permissible.
4. Cut masks furnished by us is intended for the negative holders. Maximum negative size is 6" X 6". The principal requirement for the cut negative holder is that it be easily and quickly removed and replaced recovering accurately its position in the system.
5. Since the printer will use a duplicate, corrected negative (density range 0.20 to 2.50), the only illumination control necessary would be a manually operated potentiometer to adjust the brightness compatible with the fixed exposure increment.
6. The second roll holder was suggested as a means of providing a take-up spool in case of failure in the processor, dryer, or chopper. Rapid replacement of rolls is also a consideration.
7. It is desirable to make this printing system as flexible or versatile as possible to meet many requirements. The paper advance should be variable from 10" to 24" by increments of 1".
8. The negative will always be centered over the optical axis of the printer.

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Processor

1. We propose to process many kinds of film including original and duplicate in widths ranging from 70mm to 20", regular and thin base.
2. Again, in our attempt to get the maximum versatility from the system in the processing as well as the printing phases, we asked for the range of from one minute to thirty minute development, or one foot per minute to thirty feet per minute. If you regard this range of development times too great in keeping with efficient design, we would prefer to reduce the range to one minute development to ten minute development or ten feet per minute to thirty feet per minute.
3. The requirement for the alternate wet take-up at the end of the processor was to permit us to use our own film dryer when processing film which is located physically in an area not near the proposed site of the printing system.

Please feel free to make further inquiries at any time and we will hasten to provide what answers we can to your satisfaction.

"Dutch"